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TRANSMITTAL LETTER TO THE UNITED STATES  ATTORNEY'S DOCKET NUMBER										
DESIGNATED/ELECTED OFFICE (DO/EO/US)			U.S. APRUGATION NO. (If known, see 37 CFR 1.5)							
	ICERNING A SUBMISSIO	10/561779								
	TIONAL APPLICATION NO. 2004/021928	6 July 2004	PRIORITY DATE CLAIMED  8 July 2003							
	TITLE OF INVENTION									
INSTRUMENTED DRILL HEAD, RELATED DRILLING/BOLTING MACHINES, AND METHODS  APPLICANT(S) FOR DO/EO/US										
HINSHAW, Gregory E.; WILSON, Henry E.; KENDALL, William, G., Jr.										
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:										
1. 🗹	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.									
2.	This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.									
3. 🔽	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.									
4. 🗹	The US has been elected (Article 31).									
5. 🗹	A copy of the International Application as filed (35 U.S.C. 371(c)(2))									
	a.									
	b.  has been communicated by	b.  has been communicated by the International Bureau.								
	c.  is not required, as the application was filed in the United States Receiving Office (RO/US).									
6.	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).									
	a. is attached hereto.									
	b. has been previously submitted under 35 U.S.C. 154(d)(4).									
7.	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))									
	are attached hereto (required only if not communicated by the International Bureau).									
	b. have been communicated by the International Bureau.									
	c. La have not been made; however, the time limit for making such amendments has NOT expired.									
	d. Have not been made and will not be made.									
8. 🔲	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).									
9.	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).									
10.	An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).									
Item:	s 11 to 20 below concern document(s	) or information included:								
11.	An Information Disclosure Statement	under 37 CFR 1.97 and 1.98.								
12.	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.									
13. 🗹	A preliminary amendment.									
14.	An Application Data Sheet under 37 CFR 1.76.									
15.	A substitute specification.									
16.	A power of attorney and/or change of address letter.									
17.	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.									
18.	A second copy of the published International Application under 35 U.S.C. 154(d)(4).									
19. 🔲	A second copy of the English language	e translation of the international application	under 35 U.S.C. 154(d)(4)							

20. Other items or information: Postcard 20. — Orner names or information: "Ossicence of This collection of Information is required to obtain or retain to benefit by the public, which is to file (end by the USFTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.11 end 1.14. This collection is estimated to complete, but the USFTO to process an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.11 end 1.14. This collection is estimated to complete in the USFTO to the USFTO to the USFTO the

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U.S. APPLICATION NO. (# known, 500 37 CER 1.5) INTERNATIONAL APPLICATION NO. PCT/US2004/021928				ATTORNEY'S DOCKET NUMBER 450-024					
21. The following fees are submitted:						Applicant use	Office use only		
21. The following lees are submitted: 						\$ 300.00	Childe date chily		
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I = '	ee	\$ 500.00							
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Total Sheets	Extra sheets		Number of each additional 50 or fraction thereof (round up to a whole number)		RATE				
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Surcharge of \$13 claimed priority of	30.00 for furnishing the or date (37 CFR 1.492(e)).	earliest	\$						
CLAIMS	NUMBER FIL	.ED	NUMBER EXTRA		RATE	\$			
Total claims	23	- 20 =	3	×	\$50.00	\$ 150.00			
Independent clai	ms 6	- 3 =	3	×	\$200.00	\$ 600.000			
MULTIPLE DEPI	ENDENT CLAIM(S) (if ap	plicable)		+	\$360.00	\$			
			TOTAL OF ABOVE	CALC	ULATIONS =	\$ 750.00			
Applicant of by 1/2.	laims small entity status.	See 37 C	FR 1.27. The fees indicated a	bove a	re reduced	<sup>\$</sup> 875.00			
					SUBTOTAL =	\$ 875.00			
	of \$130.00 for furnishing to date (37 CFR 1.492(f)).	\$							
		\$ 875.00							
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +						\$			
		\$ 875.00							
			\$						
			\$						
a. A check in the amount of \$ to cover the above fees is enclosed.									
b. Please charge my Deposit Account No. 11-0978 in the amount of \$ 875.00 to cover the above fees.  A duplicate copy of this sheet is enclosed.									
C. I The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 11-6978 A duplicate copy of this sheet is enclosed.									
d. Sess are to be charged to a credit card. WARNING: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card information and authorization on PTO-2038.									
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the international Application to pending status.									
SEND ALL COR	RESPONDENCE TO:		1 .						
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